

Abstract

Electronic document design systems and methods allowing a user to generate many different color image versions from a grayscale-based image. Grayscale images are stored as patterns and applied as pattern fill of markup language shapes. When a grayscale image is applied as pattern fill, the original black and white color components of the grayscale image are replaced with the two colors specified by the pattern fill element and a color version of the image based on the two colors is displayed to the user as the content of the shape. By changing the colors associated with the pattern fill element, many different color variations of the image can be produced and displayed for user review. One or more color selection tools are provided to allow the user to select different pairs of colors to be used to generate color image versions..